

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Russell, et al.

Serial No. To Be Assigned

Filed: Concurrently Herewith

For: LACTOBACILLUS β -GLUCURONIDASE AND DNA ENCODING THE
SAME

September 29, 2003

Mail Stop Patent Application
Commissioner for Patents
Post Office Box 1450
Alexandria, Virginia 22313-1450

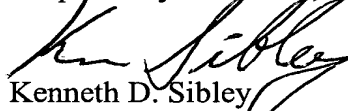
INFORMATION DISCLOSURE STATEMENT

Sir:

Attached is a list of documents on form PTO-1449. Items 1-10 listed on the PTO-1449 were cited in parent application Serial No. 09/862,660, filed May 21, 2001. Since the benefit of this application is claimed under 35 U.S.C. §120, no copies need to be furnished in accordance with 37 C.F.R. §1.98(d); however, copies will be furnished on request. It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. §1.56 and Section 609 of the MPEP.

No fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,


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Substitute form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known			
		Application Number		To Be Assigned			
		Filing Date		Concurrently Herewith			
		First Named Inventor		William Michael Russell			
		Group Art Unit					
		Examiner Name					
Sheet	1	of	1	Attorney Docket Number	5051.514DV		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
	1	Akao, Taiko, <i>Purification and Characterization of Glycyrrhetic Acid Mono-glucuronide β-D-Glucuronidase in Eubacterium sp. GLH</i> , Biol. Pharm. Bull., Vol. 22, No. 1 , pp. 80-82 (1999)	
	2	Akao, Taiko, <i>Competition in the Metabolism of Glycyrrhizin with Glycyrrhetic Acid Mono-Glucuronide by Mixed Eubacterium sp. GLH and Ruminococcus sp. PO1-3</i> , Biol. Pharm. Bull., Vol. 23, No. 2 , pp. 149-154 (2000)	
	3	De Roos, Nicole M., et al., <i>Effects of probiotic bacteria on diarrhea, lipid metabolism, and carcinogenesis: a review of papers published between 1988 and 1998</i> , Am. J. Clin. Nutr., Vol. 71 , pp. 405-11 (2000)	
	4	Jin, L.Z., et al., <i>Digestive and Bacterial Enzyme Activities in Broilers Fed Diets Supplemented with Lactobacillus Cultures</i> , Poultry Science, Vol. 79, No. 6 , pp. 886-891 (2000)	
	5	Klaenhammer, Todd R., <i>Functional Activities of Lactobacillus Probiotics: Genetic Mandate</i> , Int. Dairy Journal, Vol. 8 , pp. 497-505 (1998)	
	6	Kleeman, E.G., et al., <i>Adherence of Lactobacillus Species to Human Fetal Intestinal Cells</i> , J. Dairy Sci., Vol. 65, No. 11 , pp. 2063-2069 (1982)	
	7	McBain, A. J., et al., <i>Ecological and physiological studies on large intestinal bacteria in relation to production of hydrolytic and reductive enzymes involved in formation of genotoxic metabolites</i> , J. Med. Microbiol., Vol. 47 , pp. 407-416 (1998)	
	8	McConnell, M.A., et al., <i>A note on lactobacilli and β-glucuronidase activity in the intestinal contents of mice</i> , Journal of Applied Bacteriology, Vol. 74 , pp. 649-651 (1993)	
	9	Pham, P.L., et al., <i>Production of Exopolysaccharide by Lactobacillus rhamnosus R and Analysis of Its Enzymatic Degradation during Prolonged Fermentation</i> , Applied and Environmental Microbiology, Vol. 66, No. 6 , pp. 2302-2310 (June 2000)	
	10	Wilson, Kate J., et al., <i>The Escherichia coli gus Operon: Induction and Expression of the gus Operon in E. coli and the Occurrence and Use of GUS in Other Bacteria</i> , GUS Protocols: Using the GUS Gene as a Reporter of Gene Expression, pp. 7-22 (1992)	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.